

# PATENT COOPERATION TREATY

From the  
INTERNATIONAL PRELIMINARY EXAMINING AUTHORITY

To:

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Yosam Bldg., 648-23, Yoksam-dong, Kangnam-ku, Seoul 135-  
748, Republic of Korea



**NOTIFICATION OF RECEIPT  
OF DEMAND BY COMPETENT INTERNATIONAL  
PRELIMINARY EXAMINING AUTHORITY**

(PCT Rule 59.3(e) and 61.1(b), first sentence  
and Administrative Instructions, Section 601(a))

Date of mailing  
(day/month/year) 15 JULY 2004 (15.07.2004)

Applicant's or agent's file reference

PCT-031228

## IMPORTANT NOTIFICATION

International application No.

**PCT/KR2003/002859**

International filing date (day/month/year)

**27 DECEMBER 2003 (27.12.2003)**

Priority date (day/month/year)

28 DECEMBER 2002 (28.12.2002)

Applicant

**AMOREPACIFIC CORPORATION et al**

1. The applicant is hereby **notified** that this International Preliminary Examining Authority considers the following date as the date of receipt of the demand for international preliminary examination of the international application:

12 JULY 2004 (12.07.2004)

2. This date of receipt is :

- ☒ the actual date of receipt of the demand by this Authority (Rule 61.1(b)).
- ☐ the actual date of receipt of the demand on behalf of this Authority (Rule 59.3(e)).
- ☐ the date on which this Authority has, in response to the invitation to correct defects in the demand (Form PCT/IPEA/404), received the required corrections.

3. ☐ **ATTENTION:** That date of receipt is **after** the expiration of 19 months from the priority date. Consequently, in respect of some Offices, the demand does not have the effect of postponing the entry into the national phase until 30 months from the priority date (or later in some Offices) (Article 39(1)) and the acts for entry into the national phase must therefore be performed within 20 months from the priority date (or later in some Offices). **However**, in respect of some other Offices, the time limit of 30 months (or later) may nevertheless apply. See the Annex to Form PCT/IB/301 and, for details about the applicable time limits, Office by Office, see the *PCT Applicant's Guide*, Volume II, National Chapters and the WIPO Internet site.

- ☐ (If applicable) This notification confirms the information given by telephone, facsimile transmission or in person on:

4. Only where paragraph 3 applies, a copy of this notification has been sent to the International Bureau.

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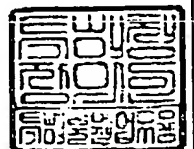
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# INTERNATIONAL SEARCH REPORT

International application No.  
PCT/KR2003/002859

## A. CLASSIFICATION OF SUBJECT MATTER

**IPC7 A61K 31/70**

According to International Patent Classification (IPC) or to both national classification and IPC

## B. FIELDS SEARCHED

Minimum documentation searched (classification system followed by classification symbols)

IPC7 : A61K

Documentation searched other than minimum documentation to the extent that such documents are included in the fields searched  
KOREAN PATENTS AND APPLICATIONS FOR INVENTIONS SINCE 1975

Electronic data base consulted during the international search (name of data base and, where practicable, search terms used)  
PubMed on line

## C. DOCUMENTS CONSIDERED TO BE RELEVANT

Category*	Citation of document, with indication, where appropriate, of the relevant passages	Relevant to claim No.
P, A	KR 2003-0094523 A (AMOREPACIFIC CORPORATION) 18 December 2003 see entire document.	1-6
P, A	KR 2003-60017 A (AMOREPACIFIC CORPORATION) 12 July 2003 see entire document.	1-6
P, A	KR 2003-0037005 A (AMOREPACIFIC CORPORATION) 12 May 2003 see entire document.	1-6
P, X	Lee EH et al., "Ginsenoside F1 protects human HaCaT keratinocytes from ultraviolet-B-induced apoptosis by maintaining constant levels of Bcl-2" In Journal of Invest Dermatol. 2003 Sep, 121(3), pp607-13.	1-6
A	Zhang YW et al., "Effects of ginsenosides from Panax ginseng on cell-to-cell communication function mediated by gap junctions" In Plata Med., 2001 July, 67(5), pp417-22.	1-6
P, A	Ko SR. et al., "Enzymatic preparation of ginsenosides Rg2, Rh1, and F1" In Chem Pharm Bull(Tokyo), 2003 Apr, 51(4), pp404-8.	1-6

☐ Further documents are listed in the continuation of Box C.

☒ See patent family annex.

\* Special categories of cited documents:

"A" document defining the general state of the art which is not considered to be of particular relevance

"E" earlier application or patent but published on or after the international filing date

"L" document which may throw doubts on priority claim(s) or which is cited to establish the publication date of citation or other special reason (as specified)

"O" document referring to an oral disclosure, use, exhibition or other means

"P" document published prior to the international filing date but later than the priority date claimed

"T" later document published after the international filing date or priority date and not in conflict with the application but cited to understand the principle or theory underlying the invention

"X" document of particular relevance; the claimed invention cannot be considered novel or cannot be considered to involve an inventive step when the document is taken alone

"Y" document of particular relevance; the claimed invention cannot be considered to involve an inventive step when the document is combined with one or more other such documents, such combination being obvious to a person skilled in the art

"&" document member of the same patent family

Date of the actual completion of the international search

30 SEPTEMBER 2004 (30.09.2004)

Date of mailing of the international search report

**30 SEPTEMBER 2004 (30.09.2004)**

Name and mailing address of the ISA/KR



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**INTERNATIONAL SEARCH REPORT**  
Information on patent family members

International application No.  
PCT/KR2003/002859

Patent document cited in search report	Publication date	Patent family member(s)	Publication date
KR 2003-9994523 A	18. 12. 2003	US 2003-0175315 A1	18. 09. 2003
		JP 2003-212776 A2	30. 07. 2003
		EP 1327434 A1	16. 07. 2003